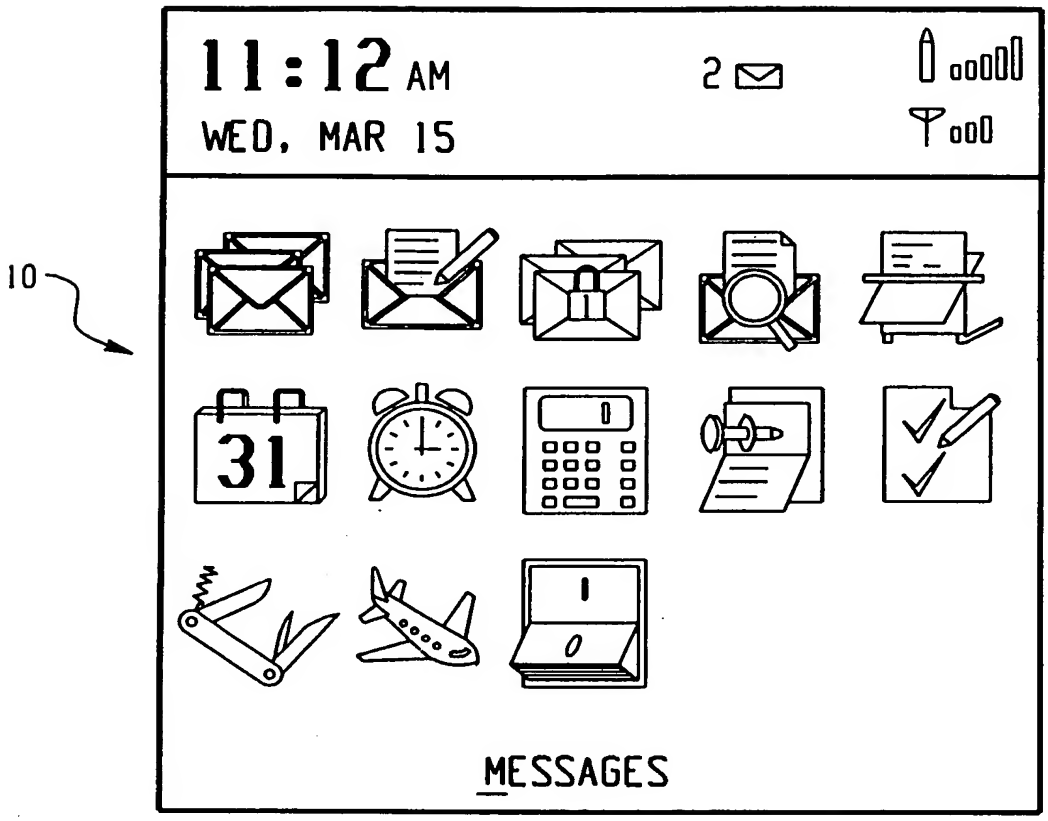


Fig. 1
PRIOR ART

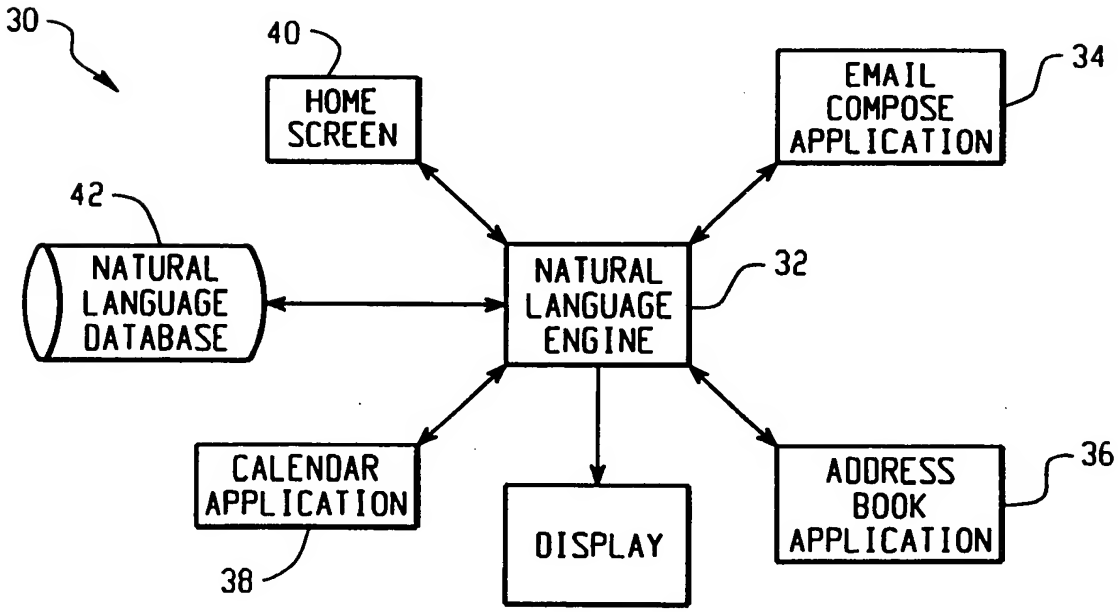


Fig. 2

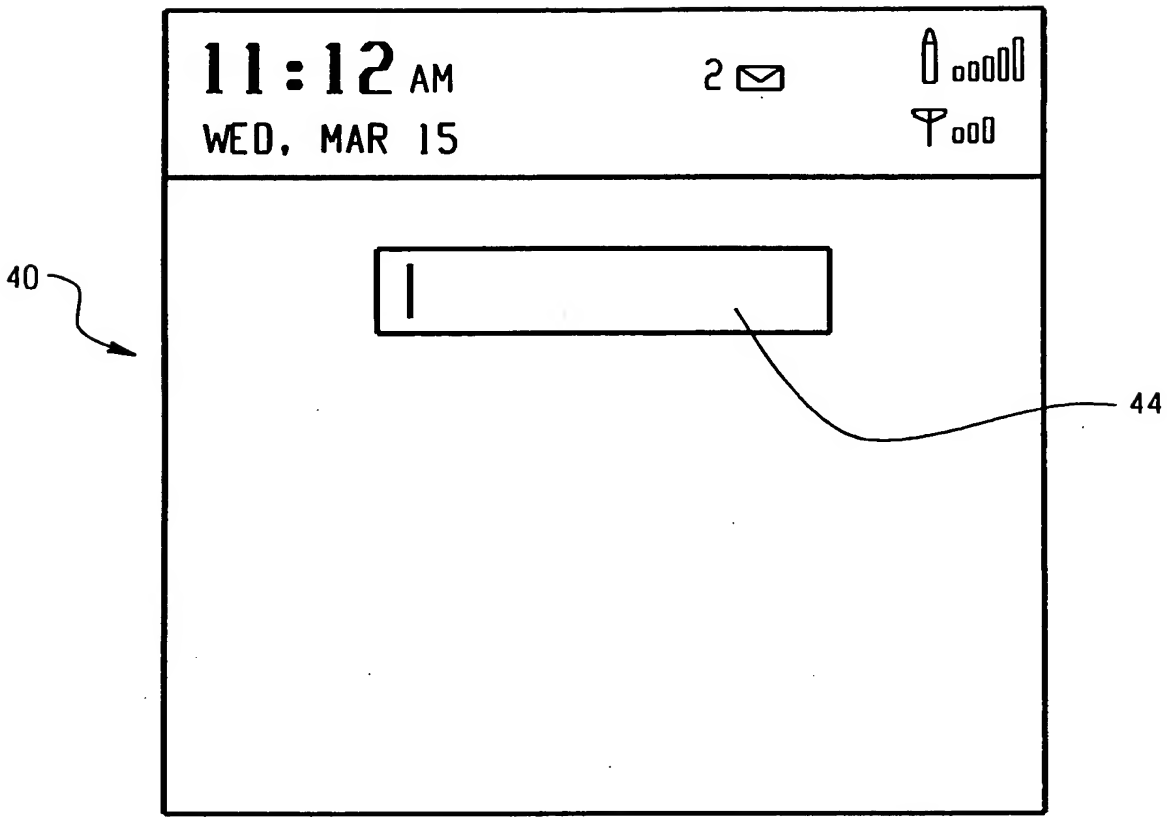

11:12 AM
WED. MAR 15
2
40
44

Fig. 3

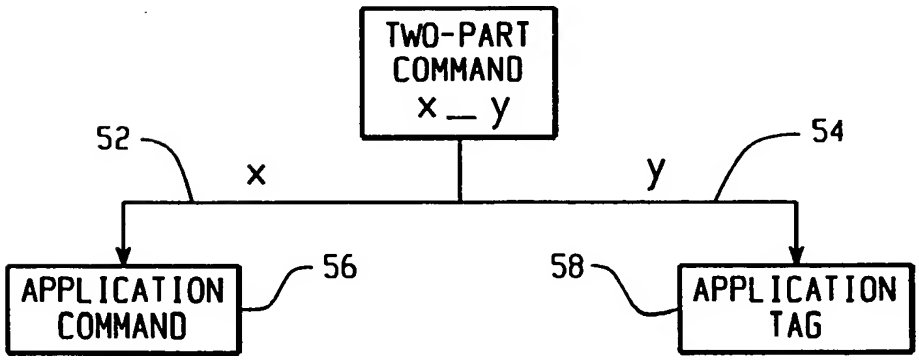
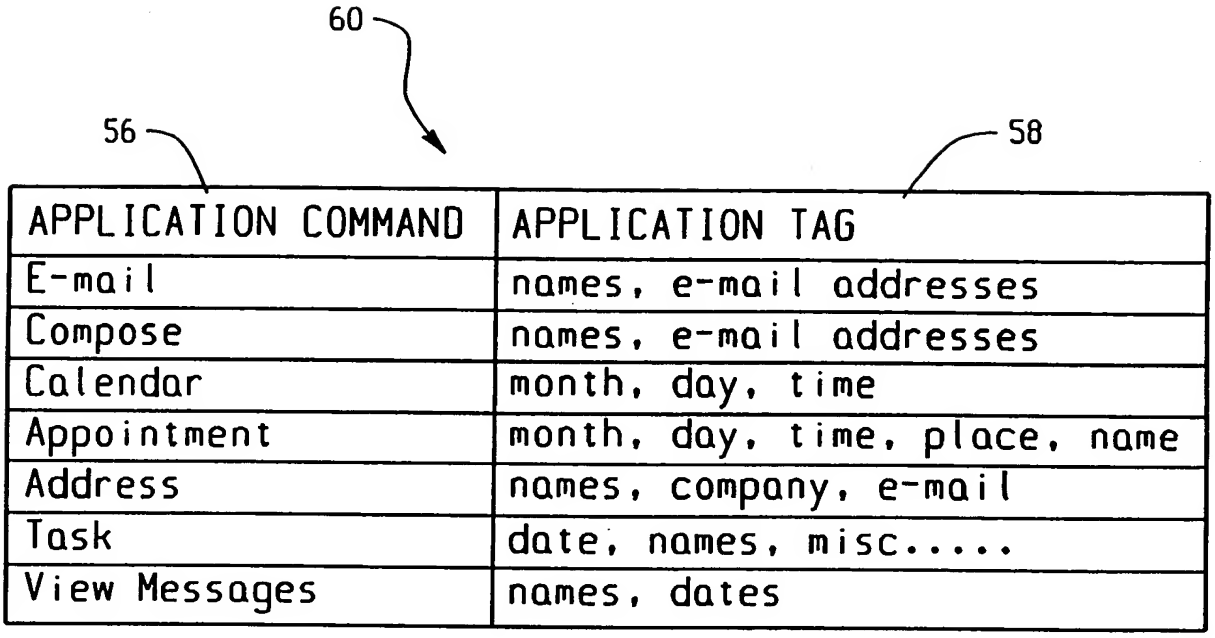
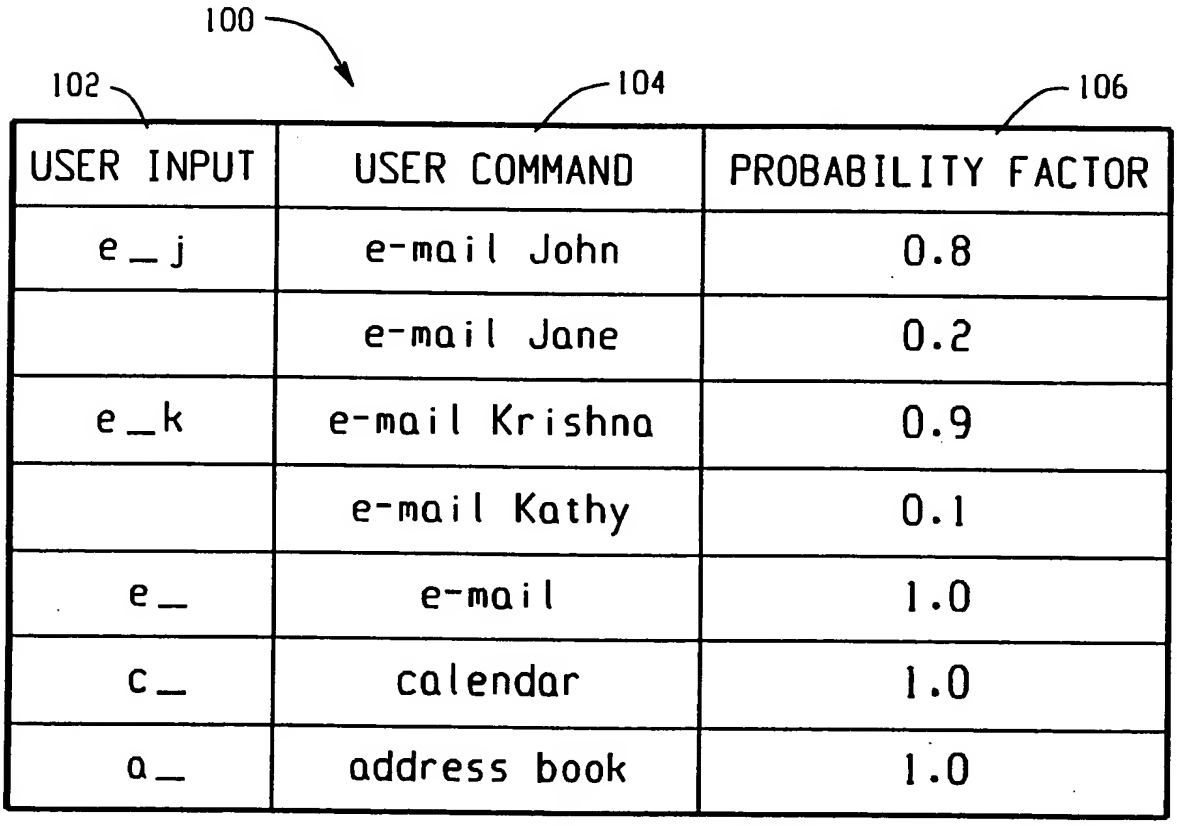

TWO-PART COMMAND
x _ y
52
x
y
54
APPLICATION COMMAND
56
58
APPLICATION TAG

Fig. 4



APPLICATION COMMAND	APPLICATION TAG
E-mail	names, e-mail addresses
Compose	names, e-mail addresses
Calendar	month, day, time
Appointment	month, day, time, place, name
Address	names, company, e-mail
Task	date, names, misc.....
View Messages	names, dates

Fig. 5



USER INPUT	USER COMMAND	PROBABILITY FACTOR
e_j	e-mail John	0.8
	e-mail Jane	0.2
e_k	e-mail Krishna	0.9
	e-mail Kathy	0.1
e_	e-mail	1.0
c_	calendar	1.0
a_	address book	1.0

Fig. 7

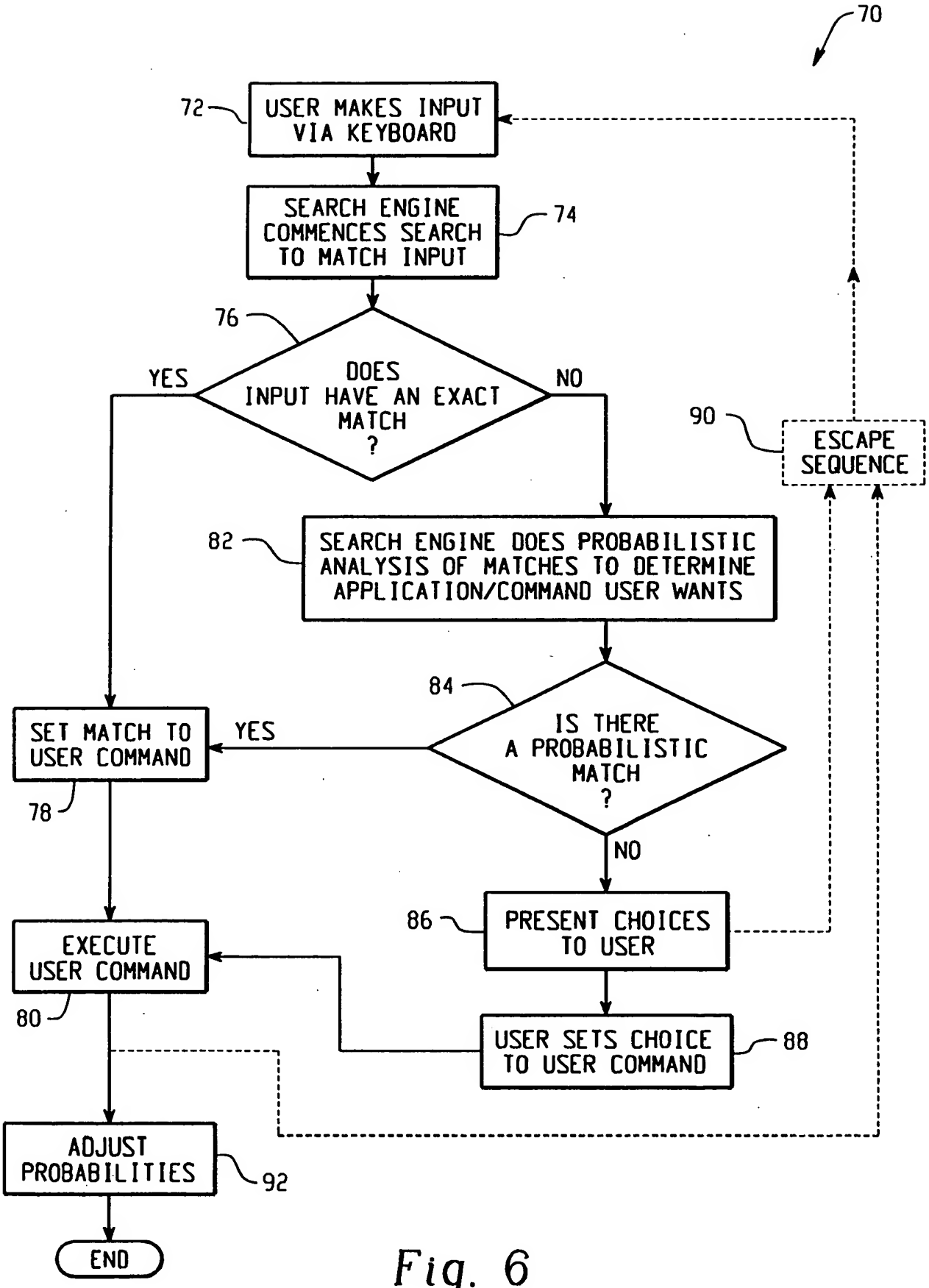

70
72
USER MAKES INPUT VIA KEYBOARD
SEARCH ENGINE COMMENCES SEARCH TO MATCH INPUT
74
76
DOES INPUT HAVE AN EXACT MATCH ?
YES
NO
90
ESCAPE SEQUENCE
82
SEARCH ENGINE DOES PROBABILISTIC ANALYSIS OF MATCHES TO DETERMINE APPLICATION/COMMAND USER WANTS
84
IS THERE A PROBABILISTIC MATCH ?
YES
SET MATCH TO USER COMMAND
78
NO
86
PRESENT CHOICES TO USER
EXECUTE USER COMMAND
80
USER SETS CHOICE TO USER COMMAND
88
ADJUST PROBABILITIES
92
END

Fig. 6

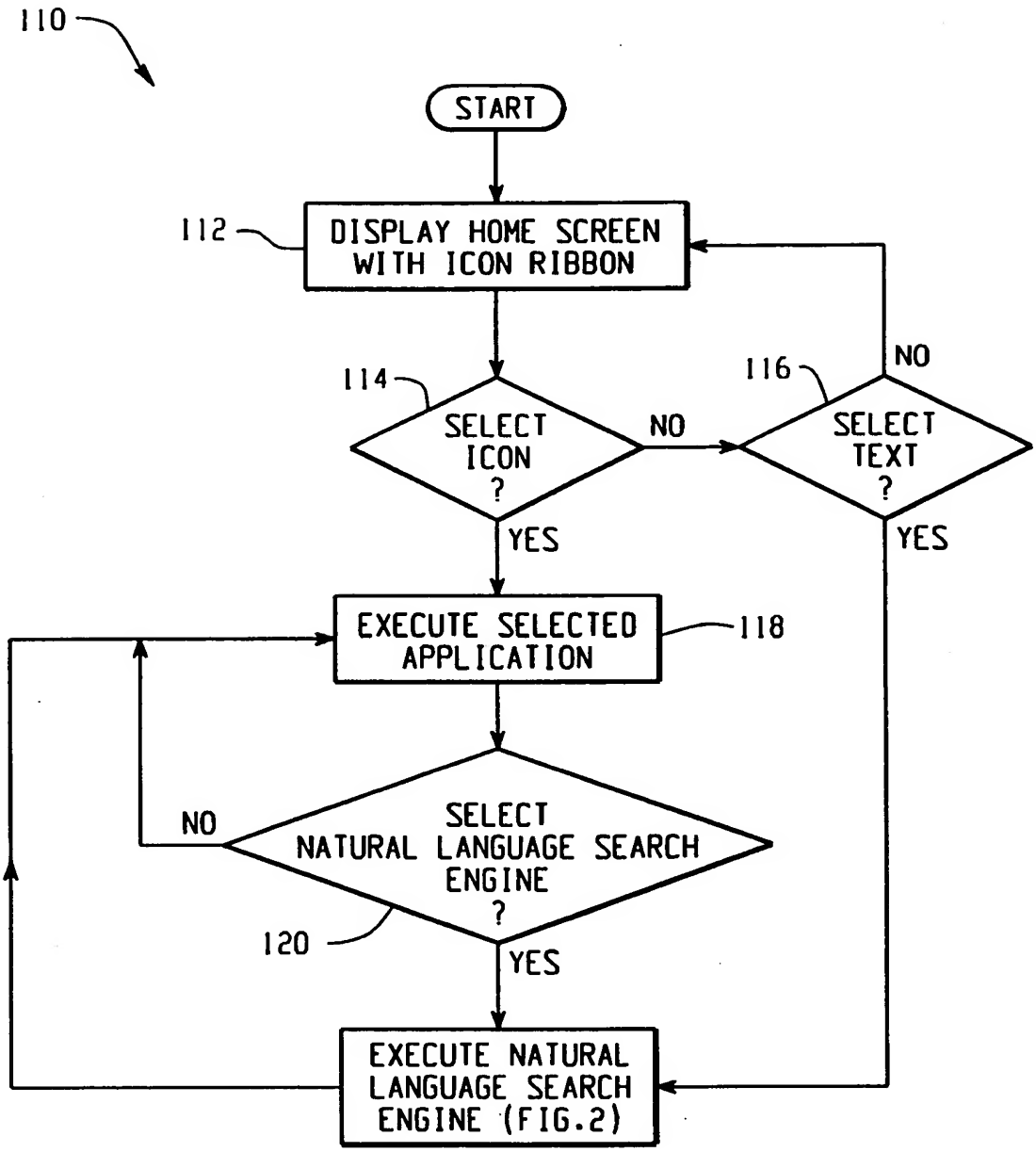

110
START
112
DISPLAY HOME SCREEN WITH ICON RIBBON
114
SELECT ICON ?
NO
116
SELECT TEXT ?
NO
YES
YES
EXECUTE SELECTED APPLICATION
118
NO
SELECT NATURAL LANGUAGE SEARCH ENGINE ?
120
YES
EXECUTE NATURAL LANGUAGE SEARCH ENGINE (FIG.2)

Fig. 8